DAFTAR PUSTAKA

1. Halliwell B, Gutteridge JMC. Free radicals in biology and medicine. 4th ed. London: Oxford University Press; 2007
2. Murray RK, Bender DA, Botham KM, Kennelly PJ, Rodwell VW, Weil PA. Biokimia Harper. 29th ed. Jakarta: EGC; 2003.
3. Pham-Huy LA, He H, Pham-Huy C. Free Radicals, Antioxidants in Disease and Health. Int J Biomed Sci. 2008 Jun (cited 2017 Aug 9);4(2): Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC3614697/
4. Debevec T, Millet GP, Pialoux V. Hypoxia-Induced Oxidative Stress Modulation with Physical Activity. Front Physiol. 2017 (cited 2017 Aug 9);8: 84: Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC5303750/
5. Ferdinand P, Roffe C. Hypoxia after stroke: a review of experimental and clinical evidence. Experimental & Translational Stroke Medicine. 2016 (cited 2017 Aug 9);8:9: Available from: https://etsmjournal.biomedcentral.com/articles/10.1186/s13231-016-0023-0
6. Kumar H, Choi D. Hypoxia Inducible Factor Pathway and Physiological Adaptation: A Cell Survival Pathway. Mediators of Inflammation. 2015 (cited 2017 Aug 9);1-11: Available from: www.hindawi.com/journals/mi/2015/584758/
7. Giordano FJ. Oxygen, oxidative stress, hypoxia, and heart failure. J Clin Invest. 2005 Mar 1 (cited 2017 Aug 9);115(3): 500-508: Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC1052012/
8. Birber E, Sahiner UM, Sackesen C, Erzurum S, Kalayci O. Oxidative Stress and Antioxidant Defense. World Allergy Organ J. 2012 Jan (cited 2017 Aug 9); 5(1):9-19 : Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC3488923/
9. Dawodu OA, Lawal OA, Ogunwande IA, Giwa AA. Volatile constituents of *Crescentia cujete* L. American Journal of Essential Oils and Natural Products. 2016 (cited 2017 Aug 9); 4(4):01-03 : Available from: www.essencejournal.com/pdf/2016/vol4issue4/PartA/4-4-1-152.pdf
10. Parvin MS, Das N, Jahan N, Akhter MA, Nahar L, Islam ME. Evaluation of in vitro anti-inflammatory and antibacterial potential of *Crescentia cujete* leaves and

stem bark. BMC Res Notes. 2015 (cited 2017 Aug 9); 8:412: Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC4559910/

11. Parente FGG, Oliviera AP, Rodrigues CMSC, Junior RGO, Paulo IMM, Nunes XP et al.. Phytochemical screening and antioxidant activity of methanolic fraction from the leaves of *Crescentia cujete* L. (Bignoniaceae). Journal of Chemical and Pharmaceutical Research. 2016 (cited 2017 Aug 9); 8(2):231-236 : Available from: http://www.jocpr.com/articles/phytochemical-screening-and-antioxidant-activity-of-methanolic-fraction-from-the-leaves-of-crescentia-cujete-l-bignoniac.pdf
12. Sherwood L. Fisiologi Manusia: Dari Sel ke Sistem. 8th ed. Ong HO, Mahode AA, Ramadhani D, editors. Jakarta: EGC; 2013.
13. Burton GJ, Jauniaux E. Oxidative stress. Best Pract Res Clin Obstet Gynaecol. 2011 Jun (cited 2017 Aug 12); 25(3):287-299 : Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC3101336/
14. Cafaro RP. Hypoxia: Its Causes and Symptoms. J Am Dent Soc Anesthesiol. 1960 Apr (cited 2017 Aug 13); 7(4): 4-8 : Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC2067517/?page=1
15. Thannickal VJ, Fanburg BL. Reactive oxygen species in cell signaling. American Journal of Physiology – Lung Cellular and Molecular Physiology. 2000 Dec 1 (cited 2017 Aug 14); 279(6): 1005-1028 ; Available from: http://ajplung.physiology.org/content/279/6/L1005.long
16. Auten RL, Davis JM. Oxygen Toxicity and Reactive Oxygen Species: The Devil Is in the Details. Pediatric Research. 2009 Apr (cited 2017 Aug 14); 66;121-127 ; Available from: www.nature.com/pr/journal/v66/n2/full/pr2009174a.html?foxtrotcallback=true
17. Alfadda AA, Sallam RM. Reactive Oxygen Species in Health and Disease. Journal of Biomedicine and Biotechnology. 2012 (cited 2017 Aug 14); Available from: www.hindawi.com/journals/bmri/2012/936486/
18. Mandal PK, Tripathi M, Sugunan S. Brain oxidative stress: detection and mapping of anti-oxidant marker 'Glutathione' in different brain regions of healthy male/female, MCI and Alzheimer patients using non-invasive magnetic resonance spectroscopy. Biochem Biophys Res Commun. 2012 Jan 6 (cited 2017 Aug 15);417(1):43-8 ; Available from:

www.researchgate.net/publication/51837370_Brain_oxidative_stress_Detection_and_mapping_of_anti-oxidant_marker_%27Glutathione%27_in_different_brain_regions_of_healthy_malefemale_MCI_and_Alzheimer_patients_using_non-invasive_magnetic_resonance_spec

19. Sharma P, Jha AB, Dubey RS, Pessarakli M. Reactive Oxygen Species, Oxidative Damage, and Antioxidative Defense Mechanism in Plants under Stressful Conditions. Journal of Botany. 2012 Feb (cited 2017 Aug 21); Available from: www.hindawi.com/journals/jb/2012/217037/
20. Angelova PR, Abramov AY. Functional role of mitochondrial reactive oxygen species in physiology. Free Radical Biology and Medicine. 2016 Jun 7 (cited 2017 Aug 21); 100: 81-85 ; Available from: www.sciencedirect.com/science/article/pii/S0891584916302933?via%3Dihub
21. Lobo V, Patil A, Phatak A, Chandra N. Free radicals, antioxidants and functional foods: Impact on human health. Pharmacogn Rev. 2010 Jul-Dec (cited 2017 Aug 21); 4(8): 118-126 ; Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC3249911/
22. Rahman K. Studies on free radicals, antioxidants, and co-factors. Clin Interv Aging. 2007 Jun (cited 2017 Aug 21); 2(2): 219-236; Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC2684512/
23. Poljsak B. Strategies for Reducing or Preventing the Generation of Oxidative Stress. Oxidative Medicine and Cellular Longetivity. 2011 Oct (cited 2017 Aug 21); (2011); Available from: www.hindawi.com/journals/omcl/2011/194586/
24. Pizzorno J. Glutathione. Intergr Med (Encinitas). 2014 Feb (cited 2017 Sept 4); 13(1): 8-12; Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC4684116/
25. Das N, Islam ME, Jahan N, Islam MS, Khan A, Islam MR, et al.. Antioxidant activities of ethanol extracts and fractions of Crescentia cujete leaves and stem bark and the involvement of phenolic compounds. BMC Complement Altern Med. 2014 Feb 4 (cited 2017 Sept 4); 14: 45; Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC3937116/
26. Schmitt B, Vicenzi M, Garrel C, Denis FM. Effects of N-acetylcysteine, oral glutathione (GSH) and a novel sublingual form of GSH on oxidative stress

markers: A comparative crossover study. Redox Biol. 2015 Jul (cited 2017 Sept 4); 6: 198-205 ; Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC4536296/

27. Petersen KS, Smith C. Ageing-Associated Oxidative Stress and Inflammation Are Alleviated by Products from Grapes. Oxidative Medicine and Cellular Longetivity. 2016 Feb (cited 2017 Sept 4); 2016 ; Available from: www.hindawi.com/journals/omcl/2016/6236309/
28. United State Department of Agriculture. Crescentia cujete. (cited 2017 Sept 19). Available from: https://plants.usda.gov/core/profile?symbol=CRCU
29. Sasidharan S, Chen Y, Saravanan D, Sundram KM, Latha LY. Extraction, Isolation and Characterization of Bioactive Compounds from Plants' Extracts. Afr J Tradit Complement Altern Med. 2011 (cited 2017 Sept 20); 8(1):1-10; Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3218439/
30. Tetti M. Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif. Jurnal Kesehatan UIN. 2014 (cited 2017 Sept 20); 7(2):361-7 ; Available from: http://journal.uin-alauddin.ac.id/index.php/kesehatan/article/view/55
31. Melina R. Why Do Medical Researchers Use Mice. Livescience. (updated 2010 Nov 16; cited 2017 Sept 20). Available from: https://www.livescience.com/32860-why-do-medical-researchers-use-mice.html
32. Ridwan E. Jurnal Hewan Coba. Scribd. 2017 (cited 2017 Sept 24). Available from: https://www.scribd.com/doc/204523947/Jurnal-Hewan-Coba
33. Mach WJ, Thimmesch AR, Pierce JT, Pierce JD. Consequences of Hyperoxia and the Toxicity of Oxygen in the Lung. Nursing Research and Practice. 2011 Apr (cited 2017 Sept 26); 2011(2011) ; Available from: https://www.hindawi.com/journals/nrp/2011/260482/
34. Chodakowska IM, Witkowska AM, Zujko ME. Endogenous non-enzymatic antioxidants in the human body. Advances in Medical Sciences. 2017 Aug 17 (cited 2017 Sept 26); 63(1):68-78 ; Available from: http://www.sciencedirect.com/science/article/pii/S1896112617300445?via%3Dihub
35. Jeeva JS, Sunitha J, Ananthalakshmi R, Rajkumari S, Ramesh M, Krishnan R. Enzymatic antioxidants and its role in oral diseases. J Pharm Bioallied Sci. 2015

Aug (cited 2017 Sept 26); 7(Suppl 2): S331-S333 ; Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4606614/

36. Bouayed J, Bohn T. Exogenous antioxidants – Double-edged swords in cellular redox state. Oxio Med Cell Longev. 2010 (cited 2017 Sept 26); 3(4):228-237 ; Available from: https://www.hindawi.com/journals/omcl/2010/267025/abs/
37. Zadak Z, Hyspler R, Ticha A, Hronek M, Fikrova P, Rathouska J, et al.. Antioxidants and Vitamins in Clinical Conditions. Physiol Res. 2009 (cited 2017 Sept 26); 58(Suppl 1):S13-S17 ; Available from: http://www.biomed.cas.cz/physiolres/pdf/58%20Suppl%201/58_S13.pdf
38. Understanding Animal Research. The 3Rs and Animal Wefare. (cited 2018 Jul 3 ; updated 2018 Feb 22). Available from: http://www.understandinganimalresearch.org.uk/animals/three-rs/
39. Gawryluk JW, Wang JF, Andreazza AC, Shao L, Young LT. Decreased levels of glutathione, the major brain antioxidant, in post-mortem prefrontal cortex from patients with psychiatric disorders. International Journal of Neuropsychopharmacology. 2011 Feb 1 (cited 2017 Sept 27); 14(1):123-130. Available from: https://academic.oup.com/ijnp/article-lookup/doi/10.1017/S1461145710000805
40. Master Organic Chemistry. Polar Protic? Polar Aprotic? Nonpolar? All About Solvents. (cited 2017 Sept 27). Available from: https://www.masterorganicchemistry.com/2012/04/27/polar-protic-polar-aprotic-nonpolar-all-about-solvents/
41. Monte CD, Carradori S, Granese A, Pierro GBD, Leonardo C, Nunzio CD. Modern extraction techniques and their impact on the pharmacological profile of Serenoa repens extracts for the treatment of lower urinary tract symptoms. BMC Urol. 2014 Aug 11 (cited 2017 Sept 30); 14:63 ; Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4136420/
42. Kerksick C, Willoughby D. The Antioxidant Role of Glutathione and N-Acetyl-Cysteine Supplements and Exercise-Induced Oxidative Stress. J Int Soc Sports Nutr. 2005 Dec 9 (cited 2017 Oct 2); 2(2):38-44 ; Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2129149/

43. Essential Nutraceuticals. What is Glutathione? (updated 2012; cited 2017 Oct 2). Available from: http://www.essentialgsh.com/glutathione.html
44. Adiyati PN. Ragam jenis ektoparasit pada hewan coba tikus putih (Rattus norvegicus) galur spargue dawley. Bogor: Fakultas Kedokteran Hewan Institut Pertanian Bogor; 2011.
45. Blois MS. Antioxidant determinations by the use of a stable free radical. Nature. 1958 (cited 2017 Nov 11); 29: 1199-1200.
46. Azizah DN, Kumolowati E, Faramayuda F. Penetapan Kadar Flavanoid Metode $AlCl_3$ pada Ekstrak Metanol Kulit Buah Kakao (*Theobroma cacao* L.). Kartika Jurnal Ilmiah Farmasi. 2014 Dec (cited 2017 Nov 11); 2(2):45-49.
47. Singleton VL, Rossi JA. Colorimetry of total phenolics with phosphomolybdic-phosphotungstic acid reagents. Am J Enol Vitic. 1965 (cited 2017 Nov 11); 16:144-58.
48. Meyer BN, Ferrigni NR, Putnam JE, Jacobsen LB, Nichols DJ, McLaughlin JL. Brine shrimp: a convenient general bioassay for active plant constituents. Planta medica. 1982 (cited 2017 Nov 11); 45(5):31-4.
49. Ellman GL. Tissue sulfhydryl groups. Arch Biochem Biophys. 1959 (cited 2017 Nov 11); 82:70-7.
50. Waggiallah H, Alzohairy M. The effect of oxidative stress on human red cells glutathione peroxidase, glutathione redustase level, and prevalence of anemia among diabetics. N Am J Med Sci. 2011 Jul (cited 2018 Apr 11); 3(7): 344-347 : Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3336886/
51. Ballatori N, Krance SM, Notenboom S, Shi S, Tieu K, Hammond CL. Glutathione dysregulation and the etiology and progression of human diseases. Biol Chem. 2009 March (cited 2018 Apr 12); 390(3): 191-214 : Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2756154/
52. Schulz JB, Lindenau J, Seyfried J, Dichgans J. Glutathione, oxidative stress and neurodegeneration. Eur J Biochem. 2000 (cited 2018 Apr 12); 267, 4904-4911 : Available from: https://onlinelibrary.wiley.com/doi/pdf/10.1046/j.1432-1327.2000.01595.x

53. Wahdaningsih S, Setyowati EP, Wahyuono S. Aktivitas Penangkap Radikal Bebas dari Batang Pakis (*Alsophila glauca* J.Sm). Majalah Obat Tradisional. 2011 (cited 2018 Apr 26); 16(3), 156–160.
54. Billacura MP, Laciapag GCR. Phytochemical screening, cytotoxicity, antioxidant, and antihelmintic property of the various extracts from *Crescentia cujete* Linn. Fruit. Sci Int Lahore. 2017 (cited 2018 May 5); 29(2): 31-35.
55. Rohmah RN, Ratnaningtyas NI, Asnani A. Kajian toksisitas dari tubuh buah Ganoderma lucidum dengan metode Brine Shrimp Lethality Test (BSLT). Scripta Biologica. 2014 (cited 2018 May 5); 1(1):30-32.
56. Wang SD, Liang SY, Liao XH, Deng XF, Chen YY, Liao CY, et al.. Different extent of hypoxic-ischemic brain damage in newborn rats: histopathology, hemodynamic, virtual touch tissue quantification and neurobehavioral observation. Int J Clin Exp Pathol. 2015 Oct 1 (cited 2018 May 21); 8(10): 12177-12187 : Available from: www.ncbi.nlm.nih.gov/pmc/articles/PMC4680347/
57. Graham DI. Pathology of hypoxic brain damage in man. J Clin Path. 1977 (cited 2018 May 21); 11:170-180.
58. Turrens JF. Mitochondrial formation of reactive oxygen species. J Physiol. 2003 Aug 22 (cited 2018 Jul 3); 552(Pt 2): 335–344. Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2343396/#__sec5title
59. Mukaka MM. A guide to appropriate use of Correlation coefficient in medical research. Malawi Med J. 2012 Sep (cited 2018 Jul 7); 24(3): 69–71: Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3576830/